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Tube Fine Bubble Diffusers



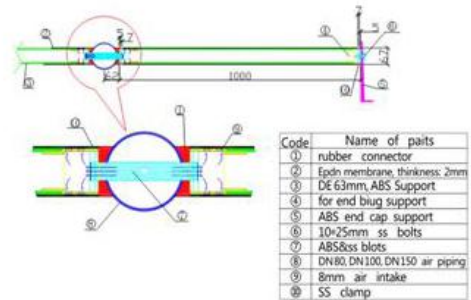
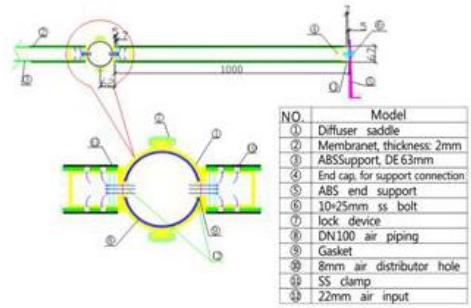
Structure

1. Non-buoyancy aeration tube design.
2. EPDM/ SILICONE/ TPU membrane adoption.
3. ABS tube diffuser support and air intake.
4. Germany SS304 clamps are fixed on the aeration tube membrane.
5. Flash board and NPT3/4" threading connections for option.

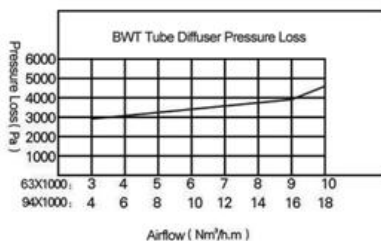
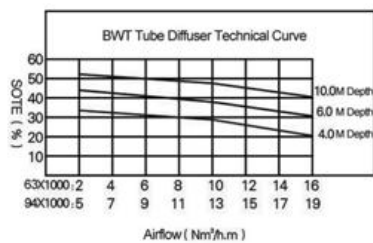
Advantages

- *Easy to install.
- *Low loss of pressure due to the non-buoyancy tube design.
- *Automatic cleaning function to prevent blocking.
- *Preventing corrosion with ABS raw material.
- *Low maintenance and service life can be 5~10 years.
- *Low energy consumption.
- *Well packaged with foampaper in each tube piece.

Construction of Tube Diffuser



Tube Fine Bubble Diffusers



Item	Φ67mm*500mm	Φ67mm*750mm	Φ67mm*1000mm
Working air flow (m3/h)	1~6	1~8	1~14
Designed air flow(m3/h)	3	4	7
Oxygen transform efficiency (%)	>35	>35	>35
Service area (m2/piece)	0.5~1	0.6~1.2	0.8~1.6
Bubble size(mm)	0.8~1.9	0.8~1.9	0.8~1.9
Pressure loss (kpa)	2.2~4.8	2.2~4.8	2.2~4.8
Oxygenate capability (kgO2/h)	0.6	0.7	0.9
Theoretic dynamic efficiency(kgO2/kw.h)	>8.6	>8.6	>8.6
Membrane service life	>5	>5	>5

Item	Φ90mm*500mm	Φ90mm*750mm	Φ90mm*1000mm
Working air flow (m3/h)	2~10	2~14	2~20
Designed air flow(m3/h)	5	7	10
Oxygen transform efficiency (%)	>35	>35	>35
Service area (m2/piece)	0.8~1.6	1.3~2.6	1.8~3.2
Bubble size(mm)	0.8~1.9	0.8~1.9	0.8~1.9
Pressure loss (kpa)	2.2~4.8	2.2~4.8	2.2~4.8
Oxygenate capability (kgO2/h)	0.65	0.85	1.4
Theoretic dynamic efficiency(kgO2/kw.h)	>8.6	>8.6	>8.6
Membrane service life	>5	>5	>5